

PROYECTO 01 – SISTEMA DE MATRÍCULA – PC1

ALUMNO: MIGUEL ANGEL HUALLPA CCORIHUAMAN

U20216407

PROFESOR: LUIS ANTONIO PAUCARHUANCA ALDORADIN

A) Layout 1- Login – activity_main.xml :



Código:

```
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/cremita"
    android:padding="16dp"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:text="SISTEMA DE MATRÍCULA"
        tools:ignore="MissingConstraints"
        tools:layout_editor_absoluteX="110dp"
        tools:layout_editor_absoluteY="16dp"></TextView>
    <ImageView
```

```

        android:id="@+id/logoImageView"
        android:layout_width="100dp"
        android:layout_height="200dp"
        android:src="@drawable/baseline_face_24"
        android:contentDescription="@string/app_name"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintBottom_toTopOf="@+id/txtUsuario"
        app:layout_constraintVertical_bias="0.4"
    />

    <com.google.android.material.textfield.TextInputLayout
        android:id="@+id/txtUsuario"
        style="@style/Temas"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:hint="@string/txtUsuario"
        app:boxCornerRadiusTopEnd="10dp"
        app:boxCornerRadiusTopStart="10dp"
        app:counterEnabled="true"
        app:counterMaxLength="10"
        app:startIconDrawable="@drawable/baseline_face_24"
        app:endIconMode="clear_text"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/logoImageView"
        android:layout_marginTop="60dp"
        android:layout_marginStart="32dp"
        android:layout_marginEnd="32dp"
    >
        <com.google.android.material.textfield.TextInputEditText
            android:id="@+id/textUsuario"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:inputType="text"
        />
    </com.google.android.material.textfield.TextInputLayout>
    <com.google.android.material.textfield.TextInputLayout
        android:id="@+id/txtPass"
        style="@style/Temas"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:hint="@string/txtPass"
        android:layout_marginStart="32dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="32dp"
        app:boxCornerRadiusTopEnd="10dp"
        app:boxCornerRadiusTopStart="10dp"
        app:counterEnabled="true"
        app:counterMaxLength="20"
        app:startIconDrawable="@drawable/baseline_lock_24"
        app:endIconMode="password_toggle"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/txtUsuario"
    >
        <com.google.android.material.textfield.TextInputEditText
            android:id="@+id/textPass"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:inputType="textPassword"

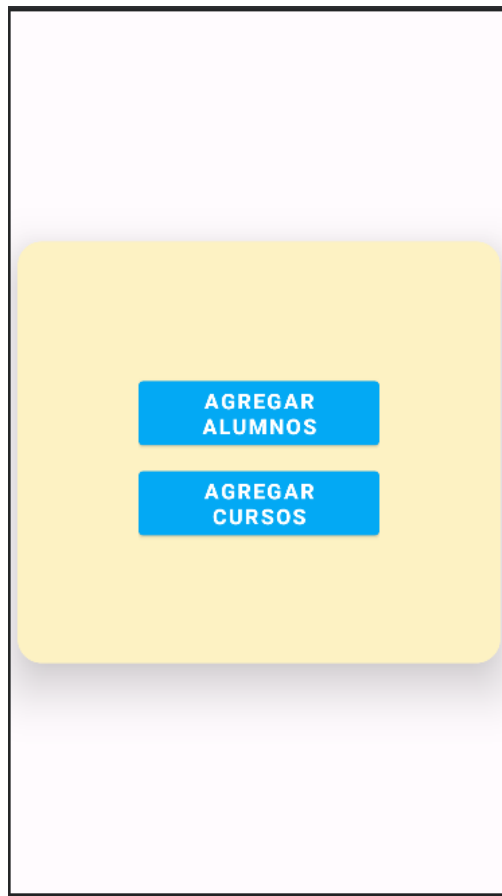
```

```

/>
</com.google.android.material.textfield.TextInputLayout>
<Button
    android:id="@+id/btnLogin"
    android:layout_width="315dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="32dp"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="32dp"
    android:text="Iniciar Sesión"
    app:backgroundTint="@color/accent"
    app:icon="@drawable/baseline_face_24"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/txtPass" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

B) Layout – Menú Principal - activity_principal.xml :



Código:

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.cardview.widget.CardView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="400dp"
    android:layout_height="wrap_content"
    xmlns:app="http://schemas.android.com/apk/res-auto"

```

```

        android:layout_gravity="center"
        android:theme="@style/Theme.MaterialComponents.Light"
        app:cardCornerRadius="20dp"
        app:cardElevation="30dp"
    >
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        android:background="@color/cremita"
        android:padding="100dp">
        <Button
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="10dp"

app:startIconDrawable="@drawable/baseline_accessibility_24"
        android:text="Agregar ALUMNOS"
        android:textColor="@color/white"
        android:textSize="18sp"
        android:textStyle="bold"
        app:backgroundTint="@color/accent"
        android:id="@+id/btnIrAlumnos"/>
        <Button
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="10dp"
            app:startIconDrawable="@drawable/baseline_book_24"
            android:text="Agregar CURSOS"
            android:textColor="@color/white"
            android:textSize="18sp"
            android:textStyle="bold"
            app:backgroundTint="@color/accent"/>
    </LinearLayout>
</androidx.cardview.widget.CardView>

```

C) Layout – Agregar Alumnos - activity_alumnos.xml:

REGISTRO DE ALUMNOS

Nombre Completo

Seccion

Item 1

Edad

Horario:

☐ Mañana
☐ Tarde

Guardar Registro de Alumno

Código:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/cremita"
    tools:context=".MainActivity">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">
        <TextView
            android:id="@+id/textView"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/titulo"
            android:textStyle="bold"
            android:textSize="24sp"
            android:textAlignment="center"
        />
        <EditText
            android:id="@+id/txtNombre"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="@string/nombrecompleto"
            android:layout_weight="1"
            android:ems="10"
            android:inputType="textPersonName" />
        <EditText
            android:id="@+id/txtSeccion"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="@string/seccion"
            android:layout_weight="1"
            android:ems="10"
            android:inputType="textEmailAddress" />
        <Spinner
            android:id="@+id/cboGrados"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:entries="@array/strAlumnos"/>
        <EditText
            android:id="@+id/txtEdad"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="@string/edad"
            android:layout_weight="1"
            android:ems="10"
            android:inputType="textMultiLine"
            android:lines="2"/>
        <TextView
            android:id="@+id/txtCabecera"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Horario:">
```

```

        android:textSize="20dp"
        android:textStyle="bold" />
<RadioGroup
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    >
    <RadioButton
        android:id="@+id/rboMañana"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Mañana"/>
    <RadioButton
        android:id="@+id/rboTarde"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Tarde"
        />
</RadioGroup>
<Button
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:backgroundTint="@color/accent"
    android:id="@+id/btnGuardar"
    android:text="Guardar Registro de Alumno"
    android:textStyle="bold"/>
</LinearLayout>
</LinearLayout>

```

D) Layout – Agregar Cursos - activity_cursos.xml:

The screenshot shows a mobile application interface for adding a new course. It features a yellow rectangular form with a title bar at the top that says "Nuevo Curso". Inside the form, there are two text input fields. The first field is labeled "Nombre del Curso" and the second field is labeled "Cantidad de horas". Below these fields is a prominent blue button with the text "AGREGAR CURSO" in white capital letters. The entire form is centered on a light purple background.

Código:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.cardview.widget.CardView
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="400dp"
    android:layout_height="wrap_content"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_gravity="center"
    android:background="@color/cremita"
    android:theme="@style/Theme.MaterialComponents.Light"
    app:cardCornerRadius="10dp"
    app:cardElevation="10dp"
    >
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        android:background="@color/cremita"
        android:padding="20dp">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizontal"
            android:text="Nuevo Curso"
            android:textAlignment="center"
            android:textSize="18sp"
            android:textStyle="bold"/>
        <EditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="10dp"
            android:gravity="top"
            android:hint="Nombre del Curso"
            android:padding="10dp"
            android:inputType="text|textMultiLine"
            android:minHeight="100dp"
            android:textColorHint="@android:color/darker_gray"
            android:textSize="18sp"></EditText>
        <EditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="10dp"
            android:gravity="top"
            android:hint="Cantidad de horas"
            android:padding="10dp"
            android:inputType="text|textMultiLine"
            android:minHeight="100dp"
            android:scrollbars="vertical"
            android:textColorHint="@android:color/darker_gray"
            android:singleLine="false"
            android:textSize="18sp"></EditText>
        <androidx.appcompat.widget.AppCompatButton
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="10dp"
            android:text="Agregar Curso"
            android:textColor="@color/white"
            android:textSize="18sp"
            android:textStyle="bold"
            android:background="@color/accent"
```

```
        />
    </LinearLayout>
</androidx.cardview.widget.CardView>
```

Componentes:

1) strings.xml

```
<resources>
    <string name="app_name">practica_miguel</string>
    <string name="txtUsuario">Usuario</string>
    <string name="txtPass">Contraseña</string>
    <string name="titulo">REGISTRO DE ALUMNOS</string>
    <string name="nombrecompleto">Nombre Completo</string>
    <string name="seccion">Seccion</string>
    <string name="edad">Edad</string>
</resources>
```

2) colors.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="black">#FF000000</color>
    <color name="white">#FFFFFFFF</color>
    <color name="purple_200">#FFBB86FC</color>
    <color name="cremita">#FDF2C3 </color>
    <color name="purple_500">#FF6200EE</color>
    <color name="purple_700">#FF3700B3</color>
    <color name="teal_200">#FF03DAC5</color>
    <color name="teal_700">#FF018786</color>
    <color name="primary">#4CAF50</color>
    <color name="primaryDark">#388E3C</color>
    <color name="accent">#03A9F4</color>
</resources>
```

3) opciones_grados.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string-array name="strAlumnos">
        <item>1ero sec</item>
        <item>2do sec</item>
        <item>3ero sec</item>
        <item>4to sec</item>
        <item>5to sec</item>
    </string-array>
</resources>
```


DIRECTORIO DEL PROYECTO:

